

United states Department of the merior

BUREAU OF LAND MANAGEMENT HOUSE RANGE/WARM SPRINGS RESOURCE AREA

35 East 500 North Fillmore, UT 84631



IN REPLY REFER TO: 3800 (U-054) UTU-075853

April 27, 1998

TOM MUNSON
UTAH DIVISION OF OIL GAS AND MINING
1594 WEST NORTH TEMPLE, SUITE 1210
SALT LAKE CITY UT 84114-5801

Dear Mr. Munson:

Enclosed is a copy of an amendment to the following mining notice:

BLM Serial Number

Operator

UTU-075853

J. Kirk Freeman

This is sent to you in accordance with the Memorandum of Understanding between our two agencies.

Should you have questions regarding this notice please call Sheri Wysong at (435)743-3125.

Sincerely,

Ron Teseneer Geologist

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Enclosure

Amendment to a Notice of Intent



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Amendment to Operations Plan

Crystal Mine and Mill Site (BLM Recordation Numbers 363473 and 363474) Section 23, T. 12 S. R. 10 W., SLBM (Mine)

Lot 1, Section 4 T. 8 S. R. 8 W. (Millsite)

To Whom It May Concern;

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The Crystal Mine, a quarry operation for the extraction of inaltra Czesite material, is proposed to be operated during 1998 and 1999 by explosives extraction activities. An amendment to the original Operations and Reclamation plan was sent to the House Range office of the BLM on May 15, 1998 requesting approval for the use of explosives and indicating an increased amount (up to 15,000 tons) of ore to be produced by this method.

The processing of extracted materials is proposed to be performed at the mine site, rather than at the mill site. We wish to utilize up to 3,500 tons of extracted material for the construction of a materials segregation and processing area with a constructed earthen windbreak at the mine site. Milling activities are proposed to be performed at the mine site, located in Juab County, for the duration of 1998 and 1999. Equipments proposed for these operations will include up to three skid- or trailer-mounted apparati for crushing, sieveing, and loading extracted materials, up to three tracked or rubber tired loaders, bulldozers, or excavators, up to two dieselfueled electrical generators, up to two skid-mounted hoppers for loading processed materials, and a transportable "Tuff-Shed"- type of enclosure. Materials will be transported off the site as they are processed by trucks that will only transit the site for loading.

Materials storage and processing areas will be constructed in an area within the boundaries of the Crystal Mine site. **Total area affected for construction of these facilities is expected to be approximately 120 feet by 200 feet**. All road, pad, and facility areas so constructed will be reclaimed be methods detailed in the original Operations and Reclamation Plan, and will involve replacement of stockpiled native topsoil materials to a depth of six inches, and re-seeding the affected areas with a native rangeland grass mix.

Equipments are proposed to be stored at the mine site continually until the end of 1999. This will facilitate "batch" processing of extracted materials, and enable mining and processing activities year-round. No water will be used for materials processing.

No construction permits are anticipated to be required, since all equipments will be portable. At the end of 1999, all equipments will be removed and final reclamation activities performed, or an amended operations plan filed with the Bureau of Land Management to allow further mining and milling activities.

Proposed areas for milling, processing, and materials storage are indicated on the enclosed map. The areas proposed for processing activities are precisely the areas proposed in the original plan at the Crystal Mill site, which has not and will not be used for these activities. The reclamation requirements for this surface area will be unaffected by the proposed amendment.

An initial 5,000 tons of material will be extracted in such a manner as to construct a 40 foot wide ramp in native materials, and at the same time to place materials at the base of the operations for construction of the materials storage and segregation pad (see the map of proposed equipment and extraction locations). Remnant materials from the initial explosives extraction will be processed and removed before any more extraction activities take place.

The Crystal Mill Site, located in Lot 1 of Section 4, T. 8 S. R. 5 W. (BLM Recordation Number 363474), has not been developed, de-vegetated, or cleared in any way. No minerals processing activities were ever performed on this location. Stakes indicating the proposed affected locations at the mill site will be removed by May 30, 1998, and no attempt will be made to utilize this location in the future for activities associated with the Crystal Mine.

If you have further questions or concerns, I can be contacted at (801) 255-4318.

J. Kirk Freeman Operator, Crystal Mine # PC.

Amendment to Operations Plan

Crystal Mine (BLM Recordation Number 363473) Section 23, T. 12 S. R. 10 W., SLBM

To Whom It May Concern;

Extraction of approximately 100 tons of zeolite materials was accomplished in December, 1997 at the Crystal Mine. No materials were moved offsite.

The methods of extraction specified in the original operations and reclamation plan (breaking with backhoe and excavator attachment) proved to be insufficient. An alternate means of extraction, that of drilling and blasting to break up the native rock, is proposed. These operations will be performed by a third party blasting contractor.

A larger amount of material is proposed to be extracted by these activities (up to 15,000 tons of materials) in the spring of 1998.

Reclamation requirements as specified in the original operations and reclamation plan will be unaffected by the proposed amendment. Any holes drilled and not blasted will be backfilled to within 6 inches of the surface with native materials.

If you have further questions or concerns, I can be contacted at (801) 255-4318.

J. Kirk Freeman

Operator, Crystal Mine

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DEPT. OF THE INTERIOR

House Range/Warm Springs R.A.

